

TestAmerica Sample Delivery Group: SL1420

Client Project/Site: S,W,I,A,X SAFS- GROUNDWATER

CH2M Hill Plateau Remediation Company

Jayna Awalt, Project Manager I (314)298-8566

jayna.awalt@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: CH2M Hill Plateau Remediation Company Project/Site: S,W,I,A,X SAFS- GROUNDWATER TestAmerica Job ID: 160-5113-1

SDG: SL1420

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TestAmerica Job ID: 160-5113-1

SDG: SL1420

Job ID: 160-5113-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

CH2MHill Plateau Remediation Company

P.O. Box 1600 MS B3-60

Richland, Washington 99352

February 12, 2014

Attention: Scot Fitzgerald

SDG : SL1420

Number of Samples : 8 samples Sample Matrix : Water Data Deliverable : Summary Date SDG Closed : January 22, 2014

II. Introduction

Between January 9 and January 22, 8 water samples were received by TestAmerica - St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and receipt checklist for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

The following SAFs are associated with this SDG: S14-012, I14-011, I14-007, and S14-001

III. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits. All results are based upon samples as they were received, i.e. wet weight, unless otherwise noted on the data sheets. See the attached Methods Summary Form for the methods used in this SDG.

MS/MSD/Dup analysis was done per the client requirements. Analytical batches that did not contain matrix QC were analyzed with a LCS/LCS duplicate.

Deviation from Request: None

IV. Definitions

QCBLK- Quality Control Blank, Method Blank

QCLCS- Quality Control Laboratory Control Sample, Blank Spike

DUP- Laboratory Duplicate

MS- Matrix Spike

MSD- Matrix Spike Duplicate

The term "Detection Limit" used in the analytical data report refers to either the lab's standard reporting limits or contractually required reporting limits, whichever is applicable.

The following data qualifiers may be applicable to the results in this report, as appropriate.

- **B** For inorganic analyses, the sample result is greater than the MDL but less than the RL.
- B For organic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the



TestAmerica Job ID: 160-5113-1

SDG: SL1420

Job ID: 160-5113-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

MDL

- **J** For organic analyses, the sample is estimated and less than the RL.
- C For inorganic analyses, Method Blank contamination. The Method Blank contains the target analyte at a concentration above the MDL.
- **D** For all analyses, the sample result was obtained from the analysis of a dilution.
- N For inorganics and GC analyses, the spike/spike duplicate recoveries are outside QC limits.
- T For GCMS analyses, the spike/spike duplicate recoveries are outside QC limits.
- **O** For all analyses, the LCS (LCSD) recoveries are outside QC limits.
- M- For inorganic analyses, the precision was outside control limits.
- P For organic analyses (PCB/Pests only), the aroclor target analyte has greater than 25% difference for detected concentrations between the two GC columns.

Pesticides

Batch: 102842

Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation. A reduced volume was used for MS/MSD analysis.

The laboratory control sample (LCS) for prep batch 101603 recovered outside control limits for the following analytes: 4,4'-DDD, 4,4'-DDE, delta-BHC, and Methoxychlor. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. These analytes have been qualified accordingly with an "O" flag in the associated samples. (LCS 160-101603/2-A)

The matrix spike and/or matrix spike duplicate (MS/MSD) recoveries for prep batch 101603 were outside upper control limits for alpha-BHC, 4,4'-DDD, Endrin, 4,4'-DDT, alpha-Chlordane, 4,4'-DDE, and delta-BHC. Samples were ND for these analytes. Sample data is reported with this narrative. These analytes have been qualified accordingly with an "N" flag in the associated samples. (160-5242-1 MS), (160-5242-1 MSD)

Batch: 99030

Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation. A reduced volume was used for MS/MSD analysis.

Sulfide

Batch: 97892

Sulfide was detected in method blank MB 160-97892/1 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "B". If the associated sample reported a result above the MDL and/or RL, the result has been flagged "C".

I certify that this Summary Package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the signature on the cover page has authorized release of the data contained in this hard copy data package.

Reviewed and approved:

Jayna Awalt

St. Louis Project Manager

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CH2MHill Plateau Remediation	ateau Remed	liation		CHAIL	V OF CL	USTO	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	ALYSIS R	ROUEST	C.O.C.# S14-012-186
,		27175	2							Page 1 of 1
Collector	SCOTTKING			Contact/Requester	kequester	Karen	Karen Waters-Husted	Telephone No.		509-376-4650
SAF No.	S14-012			Sampling Origin	Origin	Hanford Site	d Site	Purchase	Purchase Order/Charge Code	ode 300071ES20
Project Title	SURV, DECEMBER 2013	SEMBER :	2013	Logbook No.		F-N-506	HNF-N-506 40 / 54	Ice Ches	Ice Chest No. (7W5-098	-098
Shipped To (Lab)	TestAmerica St. Louis	a St. Louis	70	Method o	Method of Shipment	Comm	Commercial Carrier	Bill of L	ading/Air Bill No.	Bill of Lading/Air Bill No. 7975 8278 0470
Protocol	SURV			Priority:	30 Days	P	PRIORITY	Offsite F	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations the releasable per DOE Order 5400 5 (1990/1993)	LE HAZARDS/R ictive Material at con rder 5400 5 (1990/19	EMARKS centations that (93)	are not regulated	** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)	RF but are not	- 10 A A A	SPECIAL INSTRUCTIONS Hold Time Site Wide Generator Knowledge Information Form applies. The CACN for analytical work at WSCF is 401647. FY13 and FY14 samples cannot be in the same SDG.	Hold Time mation Form applies. CF is 401647. the same SDG.	Tot	Total Activity Exemption: Yes 🗹 No 🗌
Sample No.	Filter *	Date	Time	No/Type Container			Sample Analysis		Holding Time	Preservative
B2TK19	Z	WAN U / 2014	9560	2x1-LaG	8081_PEST_GC: CH 01	_GC: CH	101		7/40 Days	Cool~4C
B2TK19	× ×	1	>	1x20-mL P	Activity Scan	Ļ			6 Months	None

Relinquished By	Print Sign	Date/Time	Received By Print Sign	Date/Time / 4/25	Matrix *	* XI
SCOTT KING	1 and	JAN U/ 10114 /435	5542	JAN 0 7 2014	S = Soil	DS = Drum Solids
Relinquished By	Pr. w. 1-12.74	JAN 0 8 2014 0656	Received By White CHPRC CHPRC	JAN 0 8 2014 @ 656	SE = Sediment SO = Solid SL = Sludge	DL = Drum Liquids T = Tissue WI = Wipe
Relinguished By CHPRC CHPRC	al Rise	JAN 0 8 2014 WISH 1400	Recei	Date/Time	W = Water $O = Oil$ $A = Air$	L = Liquid V = Vegetation X = Other
Relinquished By	FedEX	Date/Time	Brecived By Stands E	Date/Time		
FINAL SAMPLE DE DESPOSITION	isposal Method (e.g., Return to	FINAL SAMPLE Disposal Method (e.g., Return to customer, per lab procedure, used in process) DISPOSITION	Disposed By		Date	Date/Time
PRINTED 0 10/28/2013					A-6004-842 (RFV 2)	2 (REV 2)

C.O.C.#

CH2MHill Plateau Remediation

Company		8	3420				AIMI LE AIN	N OF COSTODY/SAMPLE ANALYSIS REQUEST	10	2	010 -10 -10
										Pag	Page 1 of 1
Collector	SC	SCOTTKING		Con	Contact/Requester	Karen Waters-Husted	Husted	Telephone No.	509-376-4650		
SAF No.	S14-012	.012		Sampling	oling Origin	Hanford Site		Purchase Order/Charge Code		300071ES20	20
Project Title	SUR	SURV, DECEMBER 2013	R 2013	Logi	Logbook No. HNJ	HNF-N-50660 /	56	Ice Chest No. FWS-098	35-M98		
Shipped To (Lab)		TestAmerica St. Louis	uis	Meti	Method of Shipment	Commercial Carrier	arrier	Bill of Lading/Air Bill No.	III No. 797	503	0640 8664 269
Protocol	SURV	Λ		Prior	Priority: 30 Days	PRIORITY	TY	Offsite Property No.		8	
** ** Contains Radic releasable per DOE	PLE HAZ vactive Mate Order 5400	POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations that releasable per DOE Order 5400 5 (1990/1993)	S. ihat are not regulated	POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 C releasable per DOE Order 5400 5 (1990/1993)	r 49 CRF but are not	SPECIAL Site Wide Ga The CACN f FY13 and FY	SPECIAL INSTRUCTIONS Hold Time Site Wide Generator Knowledge Information Form applies. The CACN for analytical work at WSCF is 401647. FY13 and FY14 samples cannot be in the same SDG.	Hold Time mation Form applies. JF is 401647. the same SDG.	Total Activity Exemption: Yes 🗹 No	xemption:	ves (es
Sample No.	Filter	* Date	Time	No/Type Container	ner	Sample Analysis	Analysis	Holding Time		Preservative	ive
B2TJ02	z	WAN 8 7 2014	0715	2x1-L aG	8081_PEST	_GC: CH 01		7/40 Days		Cool~4C	Q
B2TJ02	z	<i>→</i>	>	1x20-mL P	Activity Scan	u		6 Months		None	
Refinquished By SCOTT KING		Print Si	JAN	Date/Time JAN 0 7 2014 / 1/2	Received By	Print H	Sign	Date/Time	Soil	Matrix *	Drum Solids
Relinquished By SSU-1)	JAN 0 8 2014	3 2014 0656	6 CHPRC Mal.	* maliga	JAN	Date-Time DAN 0 8 2014 0 6.5-5	SE = Sediment SO = Solid SL = Sludge	#	Drum Liquids Tissue Wipe
Relinquished By MA White CHPRC	Sha	Was	JAN 0 8 2014	=		المرا			0 1 10	7 > X	Liquid Vegetation Other
Relinquished By		7,	NEX	Date/Time	Received By	Ognins	8.6	Date/Time 1/20			
C FINAL SAMPLE	_	sal Method (e.g., Retu	rn to customer, per la	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	process)		Disposed By	, , ,		Date/Time	
1001100											

Keimquisned By	Frint	Date/Time	Received By	Sign Date/Time	Time	Matrix *	* ×	
F. M. Hall	milles	JAN 07 2014 1553	1# man	JAN 07 2014 1553	1852	S = Soil	DS = Drum Solids	
Relinquished By	7	Date/Time	Received By	Date/Time	Fime	SE = Sediment	DL = Drum Liquids	
222	(井)	JAN 0 8 2014 0 656	CHPBC MCLXX	JAN 0 8 2014 OGST	77	SU = Sludge	I = Tissue WI = Wipe	
Relinquished By	(Date/Time	Received By	Date/Time	Fime	W = Water	L = Liquid	
CHPRC	malixie	JAN 0 8 2014 (400	FEDEX			O = Oil A = Air	V = Vegetation X = Other	
Relinquished By)	Date/Time	Received By	Date/Time	lime			
/12 /	7	X	Bran Manuels B	Je/14	110			
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to	Disposal Method (e.g., Return to customer, per lab procedure, used in process)		Disposed By		Date	Date/Time	
PRINTED 0 10/24/2013	013					A-6004-842 (REV 2)	2 (REV 2)	- 1

CH2MHill Plateau Remediation Company	ateau R	emediation	00	CHAL	N OF CL	IN OF CUSTODY/SAMPLE ANALYSIS REQUEST	LYSIS REQUEST	C.O.C.# I14-011-027
		2740	2					Page 1 of 1
Collector	F. M. Hall	an-		Contact	Contact/Requester	Karen Waters-Husted	Telephone No. 509-	509-376-4650
SAF No.	114-011	=		Sampling Origin	Origin	Hanford Site	Purchase Order/Charge Code	Code 300071ES20
Project Title	2ZP1,	2ZP1, DECEMBER 2013	.2013	Logbook No.		HNF-N-50653 / 89	Ice Chest No. (FLAJS- 098	. NOB
Shipped To (Lab)	TestA	TestAmerica St. Louis	uis	Method	of Shipment	Commercial Carrier	Bill of Lading/Air Bill No	Bill of Lading/Air Bill No. 7975 8278 0470
Protocol	CERCLA	Tr		Priority:	30 Days	PRIORITY	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations tha releasable per DOE Order 5400 5 (1990/1993)	LE HAZA netive Materi rder 5400 5 ((1990/1993)	S hat are not regulated	OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)	CRF but are not	SPECIAL INSTRUCTIONS Hold Time 200 Area Generator Knowledge Information Form applies. The CACN for analytical work at WSCF is 401647. FY13 and FY14 samples cannot be in the same SDG.		Total Activity Exemption: Yes 🗸 No
Sample No.	Filter *	Date	Time	No/Type Container		Sample Analysis	Holding Time	Preservative
B2TKN5	z	71/4/1 M	Shol	3x500-mL G/P	9034_SULFII	9034_SULFIDE: COMMON	7 Days	ZnAc+NaOH to pH > 9/Cool~4C
B2TKN5	z	M	->	1x20-mL P	Activity Scan		6 Months	None

Relinquished By	Print Sign	Date/Time		Sign Di	Date/Time	Mat	Matrix *
F. M. Hall	Herry	JAN 07 2014 (775	# MSS (26)	JAN 0 7 2014	1225	S = Soil	DS = Drum Solids
Relinquished By #		JAN 0 8 2014 OLC	Reinix White	JAN 0 8 2014 MCL	Date/Time	SE = Sediment SO = Solid SL = Sludge	DL = Drum Liquid T = Tissue WI = Wipe
Relinquished By MA White	of the	JAN 8 2014, 14(00)	Re Re	Ď	Date/Time	W = Water $O = Oil$ $A = Air$	L = Liquid V = Vegetation X = Other
Relinquished By	THEX	Date/Time	Received By Steen Menorll	Pat 1/9/14	Date/Time		
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)		Disposed By		Date	Date/Time
PRINTED 0 10/24/2013	13					A-6004-84	A-6004-842 (REV 2)

CH2MHill Plateau Remediation Company	ateau Ren	nediation		CHAI	N OF CI	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	ALYSIS REQUEST	C.O.C.# [I14-011-028
		No.	27175					Page 1 of 1
Collector	F. M. Hall	Hall		Contact/	Contact/Requester	Karen Waters-Husted	Telephone No. 509	509-376-4650
SAF No.	114-011			Sampling Origin	Origin	Hanford Site	Purchase Order/Charge Code	Code 300071ES20
Project Title	2ZP1, D	2ZP1, DECEMBER 2013	2013	Logbook No.		HNF-N-50653/89	Ice Chest No. (7WJS-099	3-098
Shipped To (Lab)	TestAm	TestAmerica St. Louis	uis	Method of	of Shipment	Commercial Carrier	Bill of Lading/Air Bill N	Bill of Lading/Air Bill No. 7975 826 78 0470
Protocol	CERCLA	A		Priority:	30 Days	PRIORITY	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations that releasable per DOE Order 5400 5 (1990/1993)	LE HAZARI active Material a rder 5400 5 (199	DS/REMARK: at concentations th	S hat are not regulate	OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 CRF but are not releasable per DOE Order 5400 5 (1990/1993)	CRF but are not	SPECIAL INSTRUCTIONS Hold Time 200 Area Generator Knowledge Information Form applies. The CACN for analytical work at WSCF is 401647. FY13 and FY14 samples cannot be in the same SDG.		Total Activity Exemption: Yes 🗹 No
Sample No.	Filter *	Date	Time	No/Type Container		Sample Analysis	Holding Time	Preservative
B2TKP1	> z	1/4/1 M	961	3x500-mL G/P	9034_SULF	9034_SULFIDE: COMMON	7 Days	ZnAc+NaOH to pH > 9/Cool~4C
B2TKP1	> z	-	1	1x20-mL P	Activity Scan	_	6 Months	None

CH2MHill Pla Company	CH2MHill Plateau Remediation Company	lation		CHAI	N OF CL	IN OF CUSTODY/SAMPLE ANALYSIS REQUEST	VALYSIS REQ	UEST	C.O.C.# I14-011-026
		25/20	9						Page 1 of 1
Collector	F. M. Hall			Contact/	Contact/Requester	Karen Waters-Husted	Telephone No.	509-376-4650	0.
SAF No.	114-011			Sampling Origin	Origin	Hanford Site	Purchase Order/Charge Code	Charge Code	300071ES20
Project Title	2ZP1, DECEMBER 2013	MBER 20	113	Logbook No.		HNF-N-506 53/89	Ice Chest No.	Ice Chest No. (7025-09%	×2
Shipped To (Lab)	TestAmerica St. Louis	St. Louis		Method	Method of Shipment	Commercial Carrier	Bill of Lading/A	ir Bill No. 797	Bill of Lading/Air Bill No. 7975 8278 0470
Protocol	CERCLA			Priority:	30 Days	PRIORITY	Offsite Property No.	No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations tha releasable per DOE Order 5400 5 (1990/1993)	** ** Contains Radioactive Material at concent releasable per DOE Order 5400 5 (1990/1993)	SMARKS entations that a 3)	ire not regulated	OOSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentations that are not regulated for transportation per 49 C releasable per DOE Order 5400 5 (1990/1993)	CRF but are not	SPECIAL INSTRUCTIONS Hold Time 200 Area Generator Knowledge Information Form applies. The CACN for analytical work at WSCF is 401647. FY13 and FY14 samples cannot be in the same SDG.	Hold Time mation Form applies. SCF is 401647.	Total Activity	Total Activity Exemption: Yes 🗸 No
Sample No.	Filter * D	Date	Time	No/Type Container		Sample Analysis	Holding Time	lime	Preservative
B2TKW4	N N	1 114	<u> </u> <u> </u>	3x500-mL G/P	9034_SULFII	9034_SULFIDE: COMMON	7 Days		ZnAc+NaOH to pH > 9/Cool~4C
B2TKW4	N Z	- 、	->	1x20-mL P	Activity Scan		6 Months	ths	None

Relinquished By	Print Sign	Date/Time	Received By	Print Si	Sign Date/Time	2	Matrix *	
F. M. Hall	Handell	JAN 0 7 2014 1977	14 TOS		JAN 07 2014 1553	S = Soil	DS	= Drum Solids
Relinquished By	 	JAN 0 8 2014 OCSE	Received By MA White	220 %	JAN 0 8 2014 OLST	SE = Sediment SO = Solid SL = Sludge	r DL WI	Drum LiquidsTissueWipe
Relinquished By MA White	ra Ware	JAN 0 8 2014 / 400	Received By		DateTime	W = Water 0 = Oil A = Air	7 > X	LiquidVegetationOther
Relinfulshed By	Faltx	Date/Time	Received By Squiels	J.	Date/Time /9/14 1120	5		
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used	customer, per lab procedure, used in process)	(SSS)	Disposed By	3y	I	Date/Time	
PRINTED 0 10/24/2013	113					A-6004	A-6004-842 (REV 2)	2)

IMPORTANT!

A winter storm is causing delays and disruptions in the eastern U.S. Learn More

FedEx.

7975827804	70		
Ship (P/U) date : Wed 1/08/2014 3:	59 pm		Actual delivery : Thur 1/09/2014 11:19 am
RICHLAND, WA US		Delivered Signed for by J.CLARK	EARTH CITY, MO US
Travel History	1		
Date/Time	Activity		Location
- 1/09/2014 - 7	Thursday		
11:19 am	Delivered		EARTH CITY MO
9:07 am	On FedEx vehicle for delivery		EARTH CITY, MO
9:01 am	At local FedEx facility		EARTH CITY, MO
7:25 am	At destination sort facility		BERKELEY, MO
1:31 am	Arrived at FedEx location		MEMPHIS. TN
- 1/08/2014 - \	Vednesday		
5:20 pm	Left FedEx origin facility		PÁSCO, WÁ
3:59 pm	Picked up		PASCO, WA
12:07 pm	Shipment information sent to	FedEx	
			Local Scan Time
Shipment Fac	ts		
Tracking number	797582780470	Service	FedEx Priority Overnight
Weight	53 lbs	Delivered To	Shipping/Receiving
Total pieces Shipper reference	1 GWS-098	Total shipment weight	53 lbs / 24 kgs
Special handling section	Deliver Weekday	Packaging	Your Packaging

A-6004-842 (REV 2)

114-007 Simplified Origina Handford Stitute Commercial Currier Simplified Origina Handford Stitute			Chila		CHAI	N OF C	N OF CUSTODY/SAMPLE ANALYSIS REQUEST	MPLE ANALY	SIS KECUE	10	1	CC0-/00-11
Supplied Total Tetal/heretic St. Louis Supplied Organ Hanford State Parchage Control Parchage Co			アナース	>							Ра	ge 1 of 1
		afterson			Contact	/Requester	Karen Waters-Huste	pə		509-376-465	0	
Part		114-00	<i>L</i> 1		Sampling	Origin	Hanford Site		Purchase Order/Cha	rge Code	300071E	820
Findered To (Labo) TestAnnerica St. Louis Friends: Surper To (Labo) TestAnnerica St. Louis Friends: Surper To (Labo) Friends	Project Title	2ZP1,	NOVEMBER 2	2013	Logbool		F-N-50658 / 56	127J	Ice Chest No. GL	15-139	1-09	
PRIORET S. WINE IR MANDER REMANDER. OVERTILE S. WINE IR MATERIC PROPERTY. OVERTILE S. WINE IR MATERIAL PROPERTY. OVERTILE S. WINE IR MATERIAL PROPERTY. SERVICE MATERIAL FORDER. TOTAL SAMPLE S. WING THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY. SERVICE MATERIAL FORDER. TOTAL SAMPLE S. STOCK I SERVICE TO THE THE THE PROPERTY OF	Shipped To (Lab)	TestA	merica St. Louis	SV	Method	of Shipment	Commercial Carrie	or	Bill of Lading/Air Bi	11 No. 79	75-54	5/00/-54
Sample No. Filter * Date Time Nortype Container Selected to supplied by Transportation per 49 CRF but are not cleaned below to the supplied to the supplied of	Protocol	CERC	LA		Priority		PRIORITY		Offsite Property No.			
Sample No. Filter * Date Time No/Type Container Sample Aualysis Holding Time Page S2RW36 N W AN 1.6 Z014 1.7 AzO-m.L.P Activity Scan 6 Months 7 Days	POSSIBLE SAMPL ** ** Contains Radioac releasable per DOE Orc	ctive Materia der 5400 5 (RDS/REMARKS al at concentations that 1990/1993)	are not regulated	for transportation per 49 (CRF but are not	SPECIAL INSTANCE 200 Area Generato The CACN for ana FY13 and FY14 sa	TRUCTIONS Hold or Knowledge Information For alytical work at WSCF is 4016 amples cannot be in the same S	l Time nn applies. 47.	Total Activity	Exemption:	
22RW36 N W AN 1 6 2014 1.22 -nt P 9034_SULFIDE; COMMON 7 Days				Time	No/Type Container		Sample Analy	/Sis	Holding Time		Preserva	tive
Activity Scan Activity Activity Scan Activity Activity Scan Activity Activity Scan Activity Activity Scan	B2RW36		JAN 16	CEII!	3x500-mL G/P	9034_SULF	IDE: COMMON		7 Days	ZnAc	c+NaOH to p	H > 9/Cool~4C
Actionshield By Received By R	B2RW36)	Y	1x20-mL P	Activity Sca	u		6 Months		Non	o.
Date Time Date	Relinquished By	1	C		Date/Time	Received By	Cini	Sien	Date/Time		Matrix *	
PAR PHORES 1 14 14 15 15 15 15 15	Kevin Patterson Relinquished By			JAN C	6 2014 (2 1 Date/Time	Received By	Modera	Mhay JAN	2014 Date/Time	11 -11	iviaurix	Drum SolidsDrum Liquids
Date/Time Date/Time Date/Time Date/Time Date/Time Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time	Relinquished By	ROF	GAEX C	Mer	4	Received By		100	Date/1	0 1 1 1 1	3 - Ac a- 190A	-
Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By	Relinquished By				Date/Time	Received By	70160		Date/Time			
NOILLION	FINAL SAMPLE	Disposal	Method (e.g., Return t	to customer, per l	lab procedure, used in proc	cess)		Disposed By			Date/Time	

IMPORTANT!

A winter storm is causing delays and disruptions in the eastern U.S. Learn More

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CH2MHill Pla Company	ateau	Company Company Company	20	CHAI	N OF CU	IN OF CUSTODY/SAMPLE ANALYSIS REQUEST	LYSIS REQUEST	C.O.C. # S14-001-149
		2						Page 1 of 1
Collector	John Fulton	WQ.		Contact/l	Contact/Requester k	Karen Waters-Husted	Telephone No. 509-376-4650	200
SAF No.	S14	S14-001		Sampling	Origin H	Hanford Site	Purchase Order/Charge Code	300071ES20
Project Title	SUF	SURV, JANUARY 2014	2014	Logbook No.		HNF-N-506 Q / 152	Ice Chest No. (WS-237	482
Shipped To (Lab)	Tes	TestAmerica St. Louis	nis	Method o	of Shipment	Commercial Carrier	Bill of Lading/Air Bill No. 79 76 87724799	26872478
Protocol	SURV	ίν.		Priority:	30 Days	PRIORITY	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations th Dangerous Goods Regulations but are not releasable per	LE HAZ	** ** Contains Radioactive MAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that may or may not Dangerous Goods Regulations but are not releasable per DOE Order 458.1	that may or may not er DOE Order 458.1	** ** Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	tion per 49 CFR/IAT	SPECIAL INSTRUCTIONS Site Wide Generator Knowledge Informatic The CACN for analytical work at WSCF is		Total Activity Exemption: Yes 🗾 No 🗌
Sample No.	Filter	* Date	Time	No/Type Container		Sample Analysis	Holding Time	Preservative
B2V0V3	z	W 121-M	0350	2x1-LaG	8081_PEST_GC: COMIV 8081_PEST_GC: CH 01	8081_PEST_GC: COMMON; 8081_PEST_GC: CH 01	7/40 Days	Cool~4C
B2V0V3	z	M	1	1x20-mL P	Activity Scan		6 Months	None

GWS-237 C.O.C.#

By Phint Sign JAN 2 1 2014 (26) (1998) Phint Sign JAN 2 1 2014 (26) (1998) Phint JAN 2 1 2014
Disposal Method (e.g., Return to customer, per lab procedure, used in procedure)
Relinquished By Relinquished By Relinquished By Relinquished By Selinquished By DISPOSITION PRINTED 0 12/3/20/13

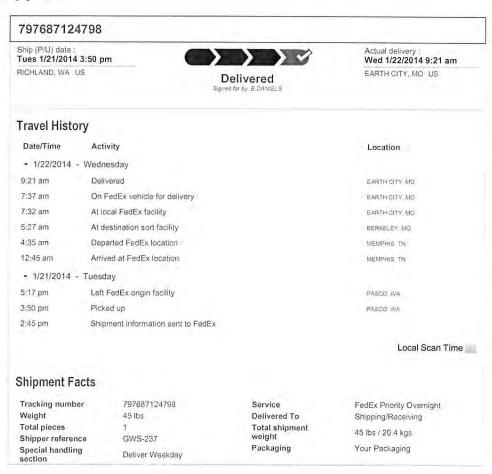
CH2MHill P Company	lateau	CH2MHill Plateau Remediation Company	0	CHAI	N OF CL	IN OF CUSTODY/SAMPLE ANALYSIS REQUEST	ALYSIS REQUEST	C.O.C.# S14-001-150
		27/10	2					Page 1 of 1
Collector	John Fulton			Contact/	Contact/Requester	Karen Waters-Husted	Telephone No. 509.	509-376-4650
SAF No.	S12	S14-001		Sampling	Origin	Hanford Site	Purchase Order/Charge Code	Code 300071ES20
Project Title	SU	SURV, JANUARY 2014	2014	Logbook No.		HNF-N-506 6/ 152	Ice Chest No. (JWKS-237)	452-5
Shipped To (Lab)		TestAmerica St. Louis	is	Method	of Shipment	Commercial Carrier	Bill of Lading/Air Bill No	Bill of Lading/Air Bill No. 79 H 8724798
Protocol	SURV	RV		Priority:	30 Days	PRIORITY	Offsite Property No.	
POSSIBLE SAM ** ** Contains Radic Dangerous Goods R.	PLE HA oactive Ma egulations	POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that may or may not Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	nat may or may not DOE Order 458.1	OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1,	tion per 49 CFR/IA	ATA Site Wide Generator Knowledge Information Form applies. The CACN for analytical work at WSCF is 401647.		Total Activity Exemption: Yes 🗸 No
Sample No.	Filter	* Date	Time	No/Type Container		Sample Analysis	Holding Time	Preservative
B2TYW4	z	W 1-21-14	1040	2x1-L aG	8081_PEST_GC: COMIV 8081_PEST_GC: CH 01	8081_PEST_GC: COMMON; 8081_PEST_GC: CH 01	7/40 Days	Cool~4C
B2TYW4	z	M		1x20-mL P	Activity Scan	-	6 Months	None

Date-Time Date-Time Received By Low Matrix Date-Time Date-Time By Dat	Relinquished By	Print Sign	1000	Received By	Drint Kith	H		
Date/Time Received By Date/Time See Sediment DL = Solid T = Solid	John Fulton	X X	000	A SASPARO	Jul 1	JAN 2 1 2014	S = Soil	TIX * DS = Drum Solids
Education Date-Time Received By Date-Time W = Water L =	to	my Mm	2 Date Time	Received By	12/14	Date/Time	ù II II	11 11 11
Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Relinquished By	Fuller		~	1 8	Date/Time 1/22/14 0925	W = Water O = Oil A = Air	L = Liquid V = Vegetation X = Other
Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By	Relinquished By)	Date/Time		
	FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to cust	omer, per lab procedure, used in proce	(SS)	Disposed By		Date	Time

IMPORTANT!

A winter storm is causing delays and disruptions in the eastern U.S. Learn More

FedEx:



Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 160-5113-1

SDG Number: SL1420

Login Number: 5113 List Source: TestAmerica St. Louis

List Number: 1

Creator: Daniels, Brian J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Insufficient volume received for MS/MSD on Pests.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 160-5113-1

SDG Number: SL1420

Login Number: 5202 List Source: TestAmerica St. Louis

List Number: 1

Creator: Daniels, Brian J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Login Sample Receipt Checklist

Client: CH2M Hill Plateau Remediation Company

Job Number: 160-5113-1

SDG Number: SL1420

Login Number: 5242 List Source: TestAmerica St. Louis

List Number: 1

Creator: Daniels, Brian J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Insufficient volume received for MS/MSD.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Qualifier Description

TestAmerica Job ID: 160-5113-1

SDG: SL1420

Qualifiers

GC Semi VOA

Qualifier

U	Analyzed for but not detected.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
0	LCS, LCSD: Recovery exceeds upper or lower control limits.

General Chemistry

Qualifier	Qualifier Description
В	Estimated result. Result is less than the RL, but greater than MDL
С	The analyte was detected in both the sample and the assoicated QC blank, and the sample concentration was = 5X the blank</th
	concentration.
U	Analyzed for but not detected.

Glossary

MDC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit

MDL Method Detection Limit
ML Minimum Level (Dioxin)

NC Not Calculated

ND Not detected at the reporting limit (or MDL or EDL if shown)

Minimum detectable concentration

PQL Practical Quantitation Limit

QC Quality Control
RER Relative error ratio

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)



TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	TAL SL
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

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TestAmerica Job ID: 160-5113-1

SDG: SL1420

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-5113-1	B2TK19	Water	01/07/14 09:36	01/09/14 11:20
160-5113-2	B2TJ02	Water	01/07/14 07:15	01/09/14 11:20
160-5113-3	B2TKN5	Water	01/07/14 10:45	01/09/14 11:20
160-5113-4	B2TKP1	Water	01/07/14 11:56	01/09/14 11:20
160-5113-5	B2TKW4	Water	01/07/14 10:45	01/09/14 11:20
160-5202-1	B2RW36	Water	01/16/14 11:22	01/17/14 09:30
160-5242-1	B2V0V3	Water	01/21/14 08:20	01/22/14 09:25
160-5242-2	B2TYW4	Water	01/21/14 10:40	01/22/14 09:25

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TestAmerica Job ID: 160-5113-1

SDG: SL1420

Client Sample ID: B2TK19						ı	Lak	Sample l	D: 160-5113-1
No Detections.									
Client Sample ID: B2TJ02						ı	Lak	Sample l	D: 160-5113-2
No Detections.									
Client Sample ID: B2TKN5						ı	Lal	Sample l	D: 160-5113-3
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	0.10	ВС	1.0	0.083	mg/L	1	_	9034	Total/NA
Client Sample ID: B2TKP1						ı	Lab	Sample l	D: 160-5113-4
– Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	0.10	ВС	1.0	0.083	mg/L	1	_	9034	Total/NA
Client Sample ID: B2TKW4						ı	Lat	Sample l	D: 160-5113-5
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	0.20	ВС	1.0	0.083	mg/L	1	_	9034	Total/NA
Client Sample ID: B2RW36						ı	Lak	Sample l	D: 160-5202-1
No Detections.									
Client Sample ID: B2V0V3						l	Lak	Sample l	D: 160-5242-1
No Detections.									
Client Sample ID: B2TYW4							Lak	Sample I	D: 160-5242-2

No Detections.

This Detection Summary does not include radiochemical test results.



DCB Decachlorobiphenyl (Surr)

Tetrachloro-m-xylene

TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B2TK19 Date Collected: 01/07/14 09:36							Lab	Sample ID: 160	-5113-1 :: Water
Date Received: 01/09/14 11:20 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	0.014		0.048				01/10/14 10:09	01/16/14 14:55	1
trans-Chlordane	0.0095		0.048		•		01/10/14 10:09	01/16/14 14:55	. 1
Endrin ketone	0.0095		0.048		•		01/10/14 10:09	01/16/14 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	88		44 - 112				01/10/14 10:09	01/16/14 14:55	1
Tetrachloro-m-xylene	104		49 - 104				01/10/14 10:09	01/16/14 14:55	1
Client Sample ID: B2TJ02							Lab	Sample ID: 160	-5113-2
Date Collected: 01/07/14 07:15								Matrix	: Water
Date Received: 01/09/14 11:20									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	0.014	U	0.048	0.014	ug/L		01/10/14 10:11	01/16/14 15:55	1
trans-Chlordane	0.0095	U	0.048	0.0095	ug/L		01/10/14 10:11	01/16/14 15:55	1
Endrin ketone	0.0095	U	0.048	0.0095	ug/L		01/10/14 10:11	01/16/14 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	83		44 - 112				01/10/14 10:11	01/16/14 15:55	1
Tetrachloro-m-xylene	103		49 - 104				01/10/14 10:11	01/16/14 15:55	1

Client Sample ID: B2V0V3

Date Collected: 01/21/14 08:20

Matrix: Water

Date Received: 01/22/14 09:25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
alpha-BHC	0.0096	UN	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
beta-BHC	0.012	U	0.048	0.012	ug/L		01/28/14 09:52	02/03/14 23:20	1
delta-BHC	0.0096	UON	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
gamma-BHC (Lindane)	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
alpha-Chlordane	0.014	UN	0.048	0.014	ug/L		01/28/14 09:52	02/03/14 23:20	1
trans-Chlordane	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
4,4'-DDD	0.0096	UON	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
4,4'-DDE	0.013	UON	0.048	0.013	ug/L		01/28/14 09:52	02/03/14 23:20	1
4,4'-DDT	0.022	UN	0.048	0.022	ug/L		01/28/14 09:52	02/03/14 23:20	1
Endrin ketone	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
Dieldrin	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
Endosulfan I	0.018	U	0.048	0.018	ug/L		01/28/14 09:52	02/03/14 23:20	1
Endosulfan II	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
Endosulfan sulfate	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
Endrin	0.017	UN	0.048	0.017	ug/L		01/28/14 09:52	02/03/14 23:20	1
Endrin aldehyde	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
Heptachlor	0.0096	U	0.048	0.0096	ug/L		01/28/14 09:52	02/03/14 23:20	1
Heptachlor epoxide	0.016	U	0.048	0.016	ug/L		01/28/14 09:52	02/03/14 23:20	1
Methoxychlor	0.012	UO	0.48	0.012	ug/L		01/28/14 09:52	02/03/14 23:20	1
Toxaphene	0.26	U	1.9	0.26	ug/L		01/28/14 09:52	02/03/14 23:20	1
Technical Chlordane	0.096	U	0.48	0.096	ug/L		01/28/14 09:52	02/03/14 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

TestAmerica St. Louis

02/03/14 23:20

01/28/14 09:52

44 - 112

49 - 104

95



TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: B2TYW4 Date Collected: 01/21/14 10:40	1/21/14 10:40						Lab Sample ID: 160-5242-2 Matrix: Water			
Date Received: 01/22/14 09:25										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Aldrin	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
alpha-BHC	0.0097	UN	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
beta-BHC	0.013	U	0.049	0.013	ug/L		01/28/14 09:52	02/04/14 00:19	1	
delta-BHC	0.0097	UON	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
gamma-BHC (Lindane)	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
alpha-Chlordane	0.015	UN	0.049	0.015	ug/L		01/28/14 09:52	02/04/14 00:19	1	
trans-Chlordane	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
4,4'-DDD	0.0097	UON	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
4,4'-DDE	0.014	UON	0.049	0.014	ug/L		01/28/14 09:52	02/04/14 00:19	1	
4,4'-DDT	0.022	UN	0.049	0.022	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Endrin ketone	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Dieldrin	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Endosulfan I	0.018	U	0.049	0.018	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Endosulfan II	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Endosulfan sulfate	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Endrin	0.017	UN	0.049	0.017	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Endrin aldehyde	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Heptachlor	0.0097	U	0.049	0.0097	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Heptachlor epoxide	0.017	U	0.049	0.017	ug/L		01/28/14 09:52	02/04/14 00:19	1	
Methoxychlor	0.013	UO	0.49	0.013	ug/L		01/28/14 09:52	02/04/14 00:19	1	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	108		44 - 112	01/28/14 09:52	02/04/14 00:19	1
Tetrachloro-m-xylene	91		49 - 104	01/28/14 09:52	02/04/14 00:19	1

1.9

0.49

0.26 ug/L

0.097 ug/L

01/28/14 09:52

01/28/14 09:52

02/04/14 00:19

02/04/14 00:19

Lab Sample ID: 160-5113-3

0.26 U

0.097 U

General Chemistry

Client Sample ID: B2TKN5

Toxaphene

Technical Chlordane

Date Collected: 01/07/14 10:45								Matrix	: Water
Date Received: 01/09/14 11:20									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	0.10	B C	1.0	0.083	mg/L			01/13/14 12:46	1

Client Sample ID: B2TKP1	Lab Sample ID: 160-5113-4
Date Collected: 01/07/14 11:56	Matrix: Water

Date Received: 01/09/14 11:20									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	0.10	ВС	1.0	0.083	mg/L			01/13/14 12:46	1

Client Sample ID: B2TKW4	Lab Sample ID: 160-5113-5
Date Collected: 01/07/14 10:45	Matrix: Water
Date Received: 01/09/14 11:20	

Date Received. 01/03/14 11.20									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	0.20	ВС	1.0	0.083	mg/L			01/13/14 12:46	1



TestAmerica Job ID: 160-5113-1

SDG: SL1420

General Chemistry

Client Sample ID: B2RW36 Date Collected: 01/16/14 11:22 Lab Sample ID: 160-5202-1

Matrix: Water

Date Received: 01/17/14 09:30

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Sulfide
 0.083
 U
 1.0
 0.083
 mg/L
 0/1/22/14 13:19
 1

Δ

6

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9

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1:

TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 160-101603/1-A

Matrix: Water

Analysis Batch: 102842

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 101603

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
alpha-BHC	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
beta-BHC	0.013	U	0.050	0.013	ug/L		01/28/14 09:52	02/03/14 22:40	1
delta-BHC	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
gamma-BHC (Lindane)	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
alpha-Chlordane	0.015	U	0.050	0.015	ug/L		01/28/14 09:52	02/03/14 22:40	1
trans-Chlordane	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
4,4'-DDD	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
4,4'-DDE	0.014	U	0.050	0.014	ug/L		01/28/14 09:52	02/03/14 22:40	1
4,4'-DDT	0.023	U	0.050	0.023	ug/L		01/28/14 09:52	02/03/14 22:40	1
Endrin ketone	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
Dieldrin	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
Endosulfan I	0.019	U	0.050	0.019	ug/L		01/28/14 09:52	02/03/14 22:40	1
Endosulfan II	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
Endosulfan sulfate	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
Endrin	0.018	U	0.050	0.018	ug/L		01/28/14 09:52	02/03/14 22:40	1
Endrin aldehyde	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
Heptachlor	0.010	U	0.050	0.010	ug/L		01/28/14 09:52	02/03/14 22:40	1
Heptachlor epoxide	0.017	U	0.050	0.017	ug/L		01/28/14 09:52	02/03/14 22:40	1
Methoxychlor	0.013	U	0.50	0.013	ug/L		01/28/14 09:52	02/03/14 22:40	1
Toxaphene	0.27	U	2.0	0.27	ug/L		01/28/14 09:52	02/03/14 22:40	1
Technical Chlordane	0.10	U	0.50	0.10	ug/L		01/28/14 09:52	02/03/14 22:40	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	104		44 - 112	01/28/14 09:52	02/03/14 22:40	1
Tetrachloro-m-xylene	66		49 - 104	01/28/14 09:52	02/03/14 22:40	1

Lab Sample ID: LCS 160-101603/2-A

Matrix: Water

Analysis Batch: 102842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 101603

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Aldrin	0.500	0.416		ug/L		83	42 - 103	
alpha-BHC	0.500	0.521		ug/L		104	65 - 109	
beta-BHC	0.500	0.489		ug/L		98	62 - 105	
delta-BHC	0.500	0.621	0	ug/L		124	66 - 111	
gamma-BHC (Lindane)	0.501	0.501		ug/L		100	63 - 110	
alpha-Chlordane	0.500	0.499		ug/L		100	58 - 106	
trans-Chlordane	0.500	0.464		ug/L		93	55 - 107	
4,4'-DDD	0.500	0.634	0	ug/L		127	63 - 115	
4,4'-DDE	0.501	0.541	0	ug/L		108	58 - 107	
4,4'-DDT	0.500	0.563		ug/L		113	63 - 115	
Endrin ketone	0.501	0.498		ug/L		99	60 - 112	
Dieldrin	0.501	0.486		ug/L		97	63 - 106	
Endosulfan I	0.500	0.364		ug/L		73	40 - 106	
Endosulfan II	0.500	0.369		ug/L		74	48 - 104	
Endosulfan sulfate	0.500	0.507		ug/L		101	61 - 111	
Endrin	0.501	0.522		ug/L		104	64 - 111	

TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 160-101603/2-A

Matrix: Water

Analysis Batch: 102842

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 101603

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Endrin aldehyde	0.500	0.489		ug/L		98	40 - 139	
Heptachlor	0.500	0.353		ug/L		71	42 - 119	
Heptachlor epoxide	0.500	0.490		ug/L		98	63 - 106	
Methoxychlor	0.500	0.613	0	ug/L		123	62 - 119	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	102		44 - 112
Tetrachloro-m-xylene	71		49 - 104

Client Sample ID: B2V0V3

Prep Type: Total/NA

Matrix: Water

Lab Sample ID: 160-5242-1 MS

matrix: rrato.									op . j po ota
Analysis Batch: 102842	Comple	Sample	Spike	ме	MS				Prep Batch: 10160 %Rec.
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits
Aldrin	0.0096		0.930	0.940		ug/L		101	42 - 103
alpha-BHC	0.0096	UN	0.930	1.08	N	ug/L		116	65 - 109
beta-BHC	0.012	U	0.930	0.962		ug/L		103	62 _ 105
delta-BHC	0.0096	UON	0.930	1.21	N	ug/L		130	66 - 111
gamma-BHC (Lindane)	0.0096	U	0.931	0.991		ug/L		106	63 - 110
alpha-Chlordane	0.014	UN	0.930	1.03	N	ug/L		110	58 - 106
trans-Chlordane	0.0096	U	0.930	0.958		ug/L		103	55 - 107
4,4'-DDD	0.0096	UON	0.930	1.25	N	ug/L		135	63 - 115
4,4'-DDE	0.013	UON	0.931	1.11	N	ug/L		120	58 - 107
4,4'-DDT	0.022	UN	0.930	1.13	N	ug/L		122	65 _ 119
Endrin ketone	0.0096	U	0.931	0.994		ug/L		107	60 - 112
Dieldrin	0.0096	U	0.931	0.973		ug/L		104	63 - 106
Endosulfan I	0.018	U	0.930	0.710		ug/L		76	33 - 111
Endosulfan II	0.0096	U	0.930	0.734		ug/L		79	48 - 104
Endosulfan sulfate	0.0096	U	0.930	1.01		ug/L		109	61 _ 111
Endrin	0.017	UN	0.931	1.04	N	ug/L		112	64 - 111
Endrin aldehyde	0.0096	U	0.931	0.961		ug/L		103	50 _ 150
Heptachlor	0.0096	U	0.930	0.744		ug/L		80	43 - 132
Heptachlor epoxide	0.016	U	0.930	0.980		ug/L		105	63 - 106

0.930

1.21

1.17 N

ug/L

ug/L

130

119

59 - 130

0.012 UO MS MS

0.0096 UON

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	115		44 - 112
Tetrachloro-m-xylene	85		49 - 104

Lab Sample ID: 160-5242-1 MSD

Matrix: Water

Methoxychlor

Analysis Batch: 102842

Client Sample ID: B2V0V3 Prep Type: Total/NA **Prep Batch: 101603**

MSD MSD Sample Sample Spike %Rec. **RPD** Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Aldrin 0.980 42 - 103 0.0096 U 0.968 ug/L 99 3 20 alpha-BHC 0.980 0.0096 UN 1.08 N ug/L 111 65 - 109 20 0 beta-BHC 0.012 U 0.980 0.967 99 62 - 105 20 ug/L delta-BHC 0.980 66 - 111

TestAmerica St. Louis

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TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 160-5242-1 MSD

Matrix: Water

Analysis Batch: 102842

Client Sample ID: B2V0V3
Prep Type: Total/NA

Prep Batch: 101603

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	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
gamma-BHC (Lindane)	0.0096	U	0.981	0.998		ug/L		102	63 - 110	1	20
alpha-Chlordane	0.014	UN	0.980	1.03		ug/L		105	58 - 106	1	20
trans-Chlordane	0.0096	U	0.980	0.963		ug/L		98	55 - 107	1	20
4,4'-DDD	0.0096	UON	0.980	1.22	N	ug/L		125	63 - 115	3	20
4,4'-DDE	0.013	UON	0.981	1.13	N	ug/L		115	58 - 107	1	20
4,4'-DDT	0.022	UN	0.980	1.11		ug/L		113	65 - 119	2	20
Endrin ketone	0.0096	U	0.981	0.984		ug/L		100	60 - 112	1	20
Dieldrin	0.0096	U	0.981	0.978		ug/L		100	63 - 106	1	20
Endosulfan I	0.018	U	0.980	0.718		ug/L		73	33 - 111	1	20
Endosulfan II	0.0096	U	0.980	0.739		ug/L		75	48 - 104	1	20
Endosulfan sulfate	0.0096	U	0.980	1.01		ug/L		103	61 - 111	1	20
Endrin	0.017	UN	0.981	1.04		ug/L		106	64 - 111	0	20
Endrin aldehyde	0.0096	U	0.980	0.959		ug/L		98	50 - 150	0	20
Heptachlor	0.0096	U	0.980	0.798		ug/L		81	43 - 132	7	20
Heptachlor epoxide	0.016	U	0.980	0.982		ug/L		100	63 - 106	0	20
Methoxychlor	0.012	UO	0.980	1.18		ug/L		120	59 - 130	3	20

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	108		44 - 112
Tetrachloro-m-xvlene	84		49 - 104

Lab Sample ID: MB 160-97301/1-A

Matrix: Water

Analysis Batch: 99030

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 97301

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	0.015	U	0.050	0.015	ug/L		01/10/14 10:09	01/16/14 14:14	1
trans-Chlordane	0.010	U	0.050	0.010	ug/L		01/10/14 10:09	01/16/14 14:14	1
Endrin ketone	0.010	U	0.050	0.010	ug/L		01/10/14 10:09	01/16/14 14:14	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	78	44 - 112	01/10/14 10:09	01/16/14 14:14	1
Tetrachloro-m-xylene	99	49 - 104	01/10/14 10:09	01/16/14 14:14	1

Lab Sample ID: LCS 160-97301/2-A

Matrix: Water

Analysis Batch: 99030

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Prep Type: Total/NA

Prep Batch: 97301

_	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
alpha-Chlordane	0.500	0.531		ug/L		106	58 - 106	
trans-Chlordane	0.500	0.504		ug/L		101	55 - 107	
Endrin ketone	0.501	0.521		ug/L		104	60 - 112	

LCS	LCS
LCS	LCS

Surrogate	%Recovery Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	77	44 - 112
Tetrachloro-m-xylene	107	49 - 104

TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 160-5113-1 MS

Matrix: Water

Analysis Batch: 99030

Client Sample ID: B2TK19

Prep Type: Total/NA Prep Batch: 97301

	Sample S	Sample	Spike	MS	MS				%Rec.
Analyte	Result (Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
alpha-Chlordane	0.014	U –	0.975	1.03		ug/L		106	58 - 106
trans-Chlordane	0.0095 U	U	0.975	0.983		ug/L		101	55 - 107
Endrin ketone	0.0095 U	U	0.977	1.07		ug/L		110	60 - 112

MS MS

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	112		44 - 112
Tetrachloro-m-xylene	99		49 - 104

Lab Sample ID: 160-5113-1 MSD Client Sample ID: B2TK19

Matrix: Water

Analysis Batch: 99030

	•		
Prep	Type:	Total/NA	
_			

Prep Batch: 97301

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
alpha-Chlordane	0.014	U	0.922	0.889		ug/L		96	58 - 106	15	20
trans-Chlordane	0.0095	U	0.922	0.845		ug/L		92	55 ₋ 107	15	20
Endrin ketone	0.0095	U	0.923	0.882		ug/L		96	60 - 112	20	20

MSD MSD

Surrogate	%Recovery Quali	fier Limits
DCB Decachlorobiphenyl (Surr)	97	44 - 112
Tetrachloro-m-xylene	98	49 - 104

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 160-100673/1 **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA

Analysis Batch: 100673

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	0.083	U	1.0	0.083	mg/L			01/22/14 13:19	1

Lab Sample ID: LCS 160-100673/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 100673

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Sulfide	10.0	9 10		ma/L	_	91	70 _ 130	

Lab Sample ID: 160-5202-1 MS Client Sample ID: B2RW36 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 100673

Analysis Batom 100070	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Sulfide	0.083	U	10.0	9.30		mg/L		93	70 - 130	



TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 160-5202-1 DU Client Sample ID: B2RW36 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 100673

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Sulfide	0.083	U	 0.083	U	mg/L		 NC	20

Lab Sample ID: MB 160-97892/1 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 97892

MB MB MDL Unit Result Qualifier Prepared Analyzed Dil Fac Analyte RL D Sulfide 0.100 B 1.0 0.083 mg/L 01/13/14 12:46

Lab Sample ID: LCS 160-97892/2 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 97892

Spike LCS LCS %Rec.

Added Analyte Result Qualifier Unit D %Rec Limits Sulfide 10.0 9.70 mg/L 97

Lab Sample ID: 160-5113-4 MS Client Sample ID: B2TKP1 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 97892

Sample Sample Spike %Rec. MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Sulfide 0.10 B C 10.0 9.70 mg/L 96 70 - 130

Lab Sample ID: 160-5113-4 DU Client Sample ID: B2TKP1 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 97892

DU DU Sample Sample RPD Analyte Result Qualifier Result Qualifier Unit D RPD Limit Sulfide 0.10 B C 0.100 B mg/L 20



TestAmerica Job ID: 160-5113-1

SDG: SL1420

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Prep Batch: 97301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5113-1	B2TK19	Total/NA	Water	3510C	
160-5113-1 MS	B2TK19	Total/NA	Water	3510C	
160-5113-1 MSD	B2TK19	Total/NA	Water	3510C	
160-5113-2	B2TJ02	Total/NA	Water	3510C	
LCS 160-97301/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 160-97301/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 99030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5113-1	B2TK19	Total/NA	Water	8081B	97301
160-5113-1 MS	B2TK19	Total/NA	Water	8081B	97301
160-5113-1 MSD	B2TK19	Total/NA	Water	8081B	97301
160-5113-2	B2TJ02	Total/NA	Water	8081B	97301
LCS 160-97301/2-A	Lab Control Sample	Total/NA	Water	8081B	97301
MB 160-97301/1-A	Method Blank	Total/NA	Water	8081B	97301

Prep Batch: 101603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5242-1	B2V0V3	Total/NA	Water	3510C	
160-5242-1 MS	B2V0V3	Total/NA	Water	3510C	
160-5242-1 MSD	B2V0V3	Total/NA	Water	3510C	
160-5242-2	B2TYW4	Total/NA	Water	3510C	
LCS 160-101603/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 160-101603/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 102842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5242-1	B2V0V3	Total/NA	Water	8081B	101603
160-5242-1 MS	B2V0V3	Total/NA	Water	8081B	101603
160-5242-1 MSD	B2V0V3	Total/NA	Water	8081B	101603
160-5242-2	B2TYW4	Total/NA	Water	8081B	101603
LCS 160-101603/2-A	Lab Control Sample	Total/NA	Water	8081B	101603
MB 160-101603/1-A	Method Blank	Total/NA	Water	8081B	101603

General Chemistry

Analysis Batch: 97892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5113-3	B2TKN5	Total/NA	Water	9034	
160-5113-4	B2TKP1	Total/NA	Water	9034	
160-5113-4 DU	B2TKP1	Total/NA	Water	9034	
160-5113-4 MS	B2TKP1	Total/NA	Water	9034	
160-5113-5	B2TKW4	Total/NA	Water	9034	
LCS 160-97892/2	Lab Control Sample	Total/NA	Water	9034	
MB 160-97892/1	Method Blank	Total/NA	Water	9034	

Analysis Batch: 100673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5202-1	B2RW36	Total/NA	Water	9034	
160-5202-1 DU	B2RW36	Total/NA	Water	9034	

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TestAmerica Job ID: 160-5113-1

SDG: SL1420

General Chemistry (Continued)

Analysis Batch: 100673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-5202-1 MS	B2RW36	Total/NA	Water	9034	
LCS 160-100673/2	Lab Control Sample	Total/NA	Water	9034	
MB 160-100673/1	Method Blank	Total/NA	Water	9034	

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TestAmerica Job ID: 160-5113-1

SDG: SL1420

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		DCB2	TCX2	
Lab Sample ID	Client Sample ID	(44-112)	(49-104)	
160-5113-1	B2TK19	88	104	
160-5113-1 MS	B2TK19	112	99	
160-5113-1 MSD	B2TK19	97	98	
160-5113-2	B2TJ02	83	103	
160-5242-1	B2V0V3	95	86	
160-5242-1 MS	B2V0V3	115	85	
160-5242-1 MSD	B2V0V3	108	84	
160-5242-2	B2TYW4	108	91	
LCS 160-101603/2-A	Lab Control Sample	102	71	
LCS 160-97301/2-A	Lab Control Sample	77	107	
MB 160-101603/1-A	Method Blank	104	66	
MB 160-97301/1-A	Method Blank	78	99	

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene